

Quick Install Guide

Compex Wireless-G 54Mbps CardBus Network Adapter

WL54G 3a



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1: Introduction

The Compex *iWave***Port** WL54G is a standard wireless LAN card that fits neatly into your notebook's PCMCIA or Card Bus slot. It uses a new IEEE 802.11g standard which allows the network speeds to dynamically shift up to a high 54Mbps. Besides, as it is downward compatible to the 802.11b world recognized standard, the WL54G gives you wireless accessibility to a network anytime and anywhere. With the support of 64-bit or 128-bit WEP (Wired Equivalent Privacy), it provides additional security for wireless LAN communications.

Packaging Content

Actual product appearance may slightly differ depending on the hardware version.



2: Installing Utility and Driver

Please note that the following installation procedures are based on Windows XP. For other operating systems such as Windows 98/98SE/2000/ME, please refer to the Drivers & Utilities Installation Guide in the Product CD.



NOTE

You need to install the utility first before installing the drivers. After installing the utility, your system will install the driver automatically.

Step 1

Insert the Product CD into your computer CD-ROM drive. The system will run the *setup.exe* automatically. Click **Next>** button to proceed.

InstallShield Wizard	X				
	Welcome to the InstallShield Wizard for IEEE 802.11g Wireless Cardbus/PCI Adapter				
	The InstallShield® Wizard will install IEEE 802.11g Wreless Cardbur/PCI Adapter on your computer. To continue, click Next.				
< Back Next > Cancel					

Step 2

Follow the instructions stated on the screen. The system will prompt you if you wish to choose a destination location. Click on the **Next** button to proceed.

nstallShield Wizard 🛛 🔀
Choose Destination Location Select folder where Setup will install files.
Setup will install IEEE 802.11g Wireless Cardbus/PCI Adapter in the following folder.
To install to this folder, click Next. To install to a different folder, click Browse and select another folder.
Destination Folder
C:\\802.11g Wireless Cardbus & PCI Adapter HW.51 V1.00 Browse
nstallShield
< Back Next> Cancel

Step 3

Select the program folder which you can install this software. Then click on the **Next** button to start installation.

InstallShield Wizard		
Select Program Folder Please select a program folder.		
Setup will add program icons to the Program Fo name, or select one from the existing folders list		e a new folder
Program Folders: 802.11 Wireless LAN		
Existing Folders:		
Accessories Administrative Tools Athenos Ethereal Sames NetIO Chariot RaLink Startup		
	< Back Next >	Cancel

Step 4

Click on the **Finish** button to complete the installation. You can now proceed to install your driver.

InstallShield Wizard	
	InstallShield Wizard Complete Setup has finished installing IEEE 802.11g Wireless Cardbus/PCI Adapter on your computer.
	< Back Finish Cancel

Step 5

Then plug in your WL54G card to your computer. The **Welcome to the Found New Hardware Wizard** prompt screen appears.

Click on the radio button next to **Install the software automatically** (Recommended).

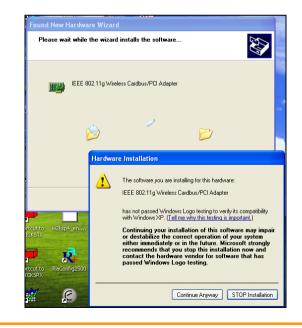
Then click on the **Next** button to proceed.

Found New Hardware Wizard



Step 6

When you see a Windows Logo error appear, click **Continue Anyway** to continue installation.



Chapter 2

Found New Hardware Wizard Step 7 Please choose your search and installation options. For a Windows XP installation, Search for the best driver in these locations tick the option button next to Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed. Include this location in the Search removable media (floppy, CD-ROM...) search. Then click on the Browse Include this location in the search: button to select the Windows XP d:\software\driver\windows XP ~ Browse drivers O Don't search. I will choose the driver to install. Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware. Click on the Next button to proceed. < Back Next > Cancel

Step 8

The prompt screen appears to inform you that the installation is successful. Click **Finish** to complete the installation. Once the installation is successfully completed, the **Wireless Configuration Utility Country Selector** screen appears.



Step 9

Select the country where you are using this wireless network adapter. Next select the correct regulatory domain and channel to ensure that the channel set configuration is compliant with the regulatory standards of the country you have selected.

Step 10

After the network adapter has been installed, you will see the Wireless Configuration Utility icon appears in the taskbar of your monitor.



Wireless Configuration Utility icon in green

Please note the icon's colour such that if the icon shows green in colour, the network adapter is properly connected to the network.



Wireless Configuration Utility icon in red

When the icon shows red in colour, the network adapter is disconnected from the network.

3: Configuring Wireless Settings

After the installation is finished, and your network adapter has been plugged in to your computer, double-click this icon that appears in the task bar.

After that, the Utility reveals seven tabs: Configuration, Advanced, Profile, Network, Statistics and About.

Status: This screen shows you the status of your card. It shows you where the device is connected to, and other information on the network mode, the Channel, the transmit rate and the encryption mode.

atus Configuration	Advanced Profile Network Statistics About	
Connected To:	AP-11 : 00-80-48-37-91-1F	
Network Mode:	Infrastructure	
Channel:	5	
Transmit Rate:	36 Mbps	
Encryption:	Disable	
Data Transmitted:	118 Data Received: 27	
Signal Strength:	88 %	
Link Quality:	100 %	
	OK Cancel Apply	

Wireless Configuration Utility HW.51	×
Status Configuration Advanced Profile Network Statistics About	802.11 Ad-Hoc (Computer-to-Computer)
Network Mode: Infrastructure (Access Point)	ANY (First Available Access Point)
Network SSID:	Epson Hotspot
Security IV Enable Encryption Encryption Mode:	WEP-Passphrase WPA-PSK Auto
Authentication Mode: Auto	Key 1 Key 2 Key 3
Key Length: 40 / 64 Bit Key Format: Hex	40 / 64 Bit 128 Bit
WEP-Key	Hex ASCII

Advanced: This screen help you control and adjust your network adapter to wireless devices which require further configuration.

	г	Auto	T	
Wireless Mode:	Auto 🗸	,	Off	
Power Saving:	Off	Auto	Maximum	
Transmit Power:	Auto 💌 🗕	100 % 75 %		
Preamble Type:	Auto	50 % 25 % 12 5 %		
Country Domain:	ETSI Standard	Minimum	Auto	
Fragmentation Th	2432 (Disable)	Singapore South Africa Spain Taiwan Thailand Turkey	Long Tx Preamb	ie Je
	2432 (Disable)	Ukraine United Kingdom United States FCC Standard ETSI Standard	<u>.</u>	

Profile: This screen allows you to create a new profile, edit and delete an existing profile. It also helps you set values for all parameters by selecting a previously defined profile.

Profile	
Profile Name: test1	•
Save	Delete Activate
Status: Creating new	profile. Remember to "Save"!
Configuration Settings	Values
	Infrastructure
Network Mode	
Network Mode SSID	ANY
SSID	ANY
SSID Transmit Rate	ANY Fully Automatic
SSID Transmit Rate Channel Encryption(WEP) Method	ANY Fully Automatic 5
SSID Transmit Rate Channel Encryption(WEP) Method Default WEP Key	ANY Fully Automatic 5 Enable WEP Key 1
SSID Transmit Rate Channel Encryption(WEP) Method Default WEP Key Power Saving	ANY Fully Automatic 5 Enable WEP Key 1 Off
SSID Transmit Rate Channel Encryption(WEP) Method Default WEP Key Power Saving Transmit Power	ANY Fully Automatic 5 Enable WEP Key 1 Off Auto
SSID Transmit Rate Channel Encryption(WEP) Method Default WEP Key Power Saving Transmit Power Preamble Type	ANY Fully Automatic 5 Enable WEP Key 1 Off Auto Auto
SSID Transmit Rate Channel Encryption(WEP) Method Default WEP Key Power Saving Transmit Power	ANY Fully Automatic 5 Enable WEP Key 1 Off Auto

Network: This screen shows all the wireless devices around your network adapter. The information of the wireless devices includes the SSID, MAC Address, Channels, Signal, the WEP type and the Network mode. The **Rescan** button is used to help you to search for existing access point in your area.

SSID	MAC Address	Channel (
Raffles City	00-90-96-63-A6-7B	1 .
Raffles City-2	00-90-96-63-A6-3D	1 1
Raffles City	00-90-96-63-A6-5F	1 1
541C-1028	00-80-48-01-54-03	2 {
compex	00-80-48-29-1B-C2	3 2
compex	00-80-48-2B-8D-0B	2 6 3 3 3 5 5 6 6
0000000000	00-02-2D-91-54-B9	3 1
compex	00-80-48-29-1B-9D	3 1
compex	00-80-48-29-1B-CF	3
AP-11	00-80-48-37-91-1F	5 6 7
compex-wpe54ag-11-wrc local-sales	00-80-48-33-4E-AB 00-80-48-35-8B-AF	6
compex-wp54g1c-eap	00-00-00-12-34-78	7
	00-00-00-12-34-70	
<		>
Status		
Rescan		Connect

Wireless LAN.
Wireless Configuration Utility HW.51
Status Configuration Advanced Profile Network Statistics About
Transmit Performance
10000 10001 100 <
About: This screen shows the Device Name, Regulatory Domain, Driver Version, Firmware Version, MAC Address and the Utility version of the wireless LAN.
R Wireless Configuration Utility HW.51
Status Configuration Advanced Profile Network Statistics About
Device
Device Name: IEEE 802.11g Wireless Cardbus/PCI Adapter
Regulatory Domain: ETSI
Driver Version: 3.1.1.7
Firmware Version: 306.51.41.3113
MAC.Address: 00-40-F4-D1-F7-39
MAC Address: 00-40-F4-D1-F7-39
Vireless LAN Configuration Utility

Ctatisti Thi + -1 +1 .;+ f + b ١.

For details in using the Utility, refer to the User's Manual stored in the Product CD.

Further Information References

For more details on the WL54G configuration, please refer to the User's Manual in the accompanying Product CD.

This document may become superseded, in which case you may find its latest version at: <u>http://www.compex.com.sg</u>

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Manual Revision by Daniel

Manual Number: M-0526-V1.2C Version 1.2, August 2006

FCC NOTICE: This device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this device does cause harmful interference to radio or television reception, the user is encouraged to try to correct the interference by one or more of the following measures:

- antenna.
- computer and receiver.
- Connect the computer into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.

Caution: Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

FCC Compliance Statement: This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and (1)
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Products that contain a radio transmitter are labeled with FCC ID and may also carry the FCC logo.

Caution: Exposure to Radio Frequency Radiation.

To comply with the FCC RF exposure compliance requirements, the following antenna installation and device operating configurations must be satisfied:

- For configurations using the integral antenna, the separation distance between the a. antenna(s) and any person's body (including hands, wrists, feet and ankles) must be b. at least 2.5cm (1 inch).
 - For configurations using an approved external antenna, the separation distance between the antenna and any person's body (including hands, wrists, feet and ankles) must be at least 20cm (8 inch).

The transmitter shall not be collocated with other transmitters or antennas.

This Class B digital apparatus complies with Canadian ICES-003.

DECLARATION OF CONFORMITY: Compex, Inc. declares that the product:

Product Name: Compex 54Mbps Wireless LAN PCMCIA Card

Model No.: WL54G conforms to the following Product Standards:

This device complies with the Electromagnetic Compatibility Directive (89/336/EEC) issued by the Commission of the European Community. Compliance with this directive implies conformity to the following European Norms (in brackets are the equivalent international standards.)

Electromagnetic Interference (Conduction and Radiation): EN 55022 (CISPR 22)

Electromagnetic Immunity: EN 55024 (IEC61000-4-2,3,4,5,6,8,11)

Low Voltage Directive: EN 60 950: 1992+A1: 1993+A2: 1993+A3: 1995+A4: 1996+A11:1997.

Therefore, this product is in conformity with the following regional standards: FCC Class B: following the provisions of FCC Part 15 directive; CE Mark: following the provisions of the EC directive.

DECLARATION OF CONFORMITY: Compex, Inc. declares that:

The wireless card in this product complies with the R&TTE Directive (1999/5/EC) issued by the Commission of the European Community. Compliance with this directive implies conformity to the following:

EMC Standards: FCC: 47 CFR Part 15, Subpart B, 47 CFR Part 15, Subpart C (Section 15.247); CE: EN 300 328-2, EN 300 826 (EN 301 489-17)

Therefore, this product is in conformity with the following regional standards: FCC Class B: following the provisions of FCC Part 15 directive; CE Mark: following the provisions of the EC directive.

Manufacturer's Name: Compex, Inc. Address: 840 Columbia Street, Suite B Brea, CA 92821, USA

WARRANTY REGISTRATION

CARD

[M-0088-V2.4C]

Register via the Internet at http://www.cpx.com or http://www.compex.com.sg

To activate the warranty, please complete this card and return to Compex within ninety (90) days from the date of purchase.

Please e-mail this warranty card to **support@compex.com.sg**.

Product:	Purchase Date:	Ν	Model:	Serial No:	
Name:		E-mail:			
Company:			• •		
Address:					
Postal/Zip Code:			Country:		
Phone: ()		• •		

Note:

For purchases within U.S.A and Canada, please fax to Compex, Inc. at (714) 482 0332

For purchases outside U.S.A and Canada, please fax to Compex Systems Pte Ltd at (65) 6280-9947

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